Ethology and Sociobiology

Volume 8, 1987

Contents

ORIGINAL ARTICLES

KIM HILL, HILLARD KAPLAN, KRISTEN HAWKES, and A. MAGDALENA HURTADO
Foraging Decisions Among Aché Hunter–Gatherers: New Data and Implications for Optimal Foraging Models 1

JAMES D. WEINRICH
A New Sociobiological Theory of Homosexuality Applicable to Societies with Universal Marriage 37

WADE C. MACKEY and NANCY CONEY
Human Sex Ratios as a Function of the Woman's Psychodynamics—A Preliminary Study 49

T. M. CARO and MONIQUE BORGERHOFF MULDER
The Problem of Adaptation in the Study of Human Behavior 61

COMMENTARY

ERIC ALDEN SMITH
On Fitness Maximization, Limited Needs, and Hunter–Gatherer Time Allocation 73

KRISTEN HAWKES
Reply to Smith: Limited Needs and Hunter–Gatherer Time Allocation 87

ORIGINAL ARTICLES

RONALD M. WEIGEL and M. MARGARET WEIGEL
Demographic Factors Affecting the Fitness of Polyandry for Human Males: A Mathematical Model and Computer Simulation 93

NICHOLAS G. BLURTON JONES and ELIZETTE da COSTA
A Suggested Adaptive Value of Toddler Night Waking: Delaying the Birth of the Next Sibling 135

ELIZABETH M. HILL and ELAINE S. NOCKS and LUCINDA GARDNER
Physical Attractiveness: Manipulation by Physique and Status Displays 143

LETTERS TO THE EDITOR 155

BOOK REVIEWS

The Meaning Of Primate Signals, edited by R. Harre and V. Reynolds. Reviewed by Marc D. Hauser. 167

Ethology and Sociobiology is cited in Current Contents, Excerpta Medica, Psychological Abstracts, and Sociological Abstracts.

ORIGINAL ARTICLES

MARTIN S. SMITH, BRADLEY J. KISH and CHARLES B. CRAWFORD
Inheritance of Wealth as Human Kin Investment 171

NICHOLAS BLURTON JONES
Bushman Birth Spacing: Direct Tests of Some Simple Predictions 183

BRUCE B. HENDERSON and LOUELLA DIAS
An Exploratory Study of Infant Problem Solving in Natural Environments 205

R. J. H. RUSSELL and P. A. WELLS
Estimating Paternity Confidence 215

JOHN H. BECKSTROM
The Use of Legal Opinions to Test Sociobiological Theory: Contract Law Regarding Reciprocal Relationships in a Household 221

FOREWORD

KONRAD LORENZ
The Ethology of Psychiatric Populations: A Foreword iii

INTRODUCTION

JAY R. FEIERMAN
The Ethology of Psychiatric Population: An Introduction 1S

PART I. GENERAL THEORY AND METHODS

MICHAEL T. McGUIRE and ALFONSO TROISI
Physiological Regulation-Deregulation and Psychiatric Disorders 9S

HERMAN DIENSKE, JANNIE A. R. SANDERS-WOUDSTRA, and GERRIT de JONGE
A Biologically Meaningful Classification in Child Psychiatry That is Based upon Ethological Methods 27S

PART II. ETHOLOGICAL PERSPECTIVES ON SPECIFIC PSYCHIATRIC DISORDERS

MICHELE K. SURBEY
Anorexia Nervosa, Amenorrhea, and Adaptation 47S

HENRY C. HARPENDING AND JAY SOBUS
Sociopathy as an Adaptation 63S

RANDOLPH M. NESSE
An Evolutionary Perspective on Panic Disorder and Agoraphobia 73S

JOHN S. PRICE and LEON SLOMAN
Depression as Yielding Behavior: An Animal Model Based on Schjelderup-Ebbe's Pecking Order 85S

LEON SLOMAN and JOHN S. PRICE
Losing Behavior (Yielding Subroutine) and Human Depression: Proximate and Selective Mechanisms 99S

PART III. ETHOLOGICAL METHODS AND EMPIRICAL STUDIES

ROGER PITMAN, BRYAN KOLB, SCOTT ORR, JACOB de JONG, SANTHARAM YADATI, and MAN MOHAN SINGH
On the Utility of Ethological Data in Psychiatric Research: The Example of Facial Behavior in Schizophrenia 111S

ANTOINETTE L. BOUHUYS, DOMIEM G. M. BEERSMA, RUDI van de HOOFDAKKER, and ALBERTUS ROOSSIEN
The Prediction of Short- and Long-Term Improvement in Depressive Patients: Ethological Methods of Observing Behavior Versus Clinical Ratings 117S

PART IV. AN ETHOLOGICAL PERSPECTIVE ON PSYCHIATRY: THEORY AND PRACTICE

GERHARD MEDICUS
Toward an Etho-Psychology: A Phylogenetic Tree of Behavioral Capabilities Proposed as a Common Basis for Communication between Current Theories in Psychology and Psychiatry **131S**

CHRISTINE H. LITTLEFIELD and CHARLES J. LUMSDEN
Gene-Culture Coevolution and the Strategies of Psychiatric Healing **151S**

ORIGINAL ARTICLES

BOBBI S. LOW, R. D. ALEXANDER, and K. M. NOONAN
Human Hips, Breast and Buttocks: Is Fat Deceptive? **249**

RAYMOND HAMES
Garden Labor Exchange Among the Ye'kwana **259**

DOUGLAS P. FRY
Differences Between Playfighting and Serious Fighting Among Zapotec Children **285**

JOHN S. WATSON
A Brief Note on Betzig and Turke's (1986) Reference to Rattray (1927) **307**

LETTER TO THE EDITOR **309**

BOOK REVIEW

Culture and the Evolutionary Process, by Robert Boyd and Peter J. Richerson. Reviewed by Timothy Earle. **311**

AUTHOR INDEX TO VOLUME 8 **315**
SUBJECT INDEX TO VOLUME 8 **317**